

# ELECTRONIC MODULE WITH REMOVABLE CIRCUITRY AND METHOD THEREFOR

## Abstract

An electronic module and method that enable circuitry required by one form of the module (e.g., a developmental unit) to be omitted in a second form of the module (e.g., a production unit), without necessitating additional changes in the module. The electronic module includes a motherboard, a multichip module (MCM) mounted to the motherboard, and a circuit unit connected to the MCM. The circuit unit comprises a flexible substrate, instrumentation circuitry mounted on the flexible substrate, and a connector coupled to the flexible substrate. The flexible substrate has signal lines that electrically communicate with the MCM, the instrumentation circuitry, and the connector. A portion of the flexible substrate is located between the MCM and the motherboard and permits electrical communication therebetween. The instrumentation circuitry does not occupy space on the motherboard.